

DH-HAC-HFW1209C(-A)-LED

2MP Full-color HDCVI Bullet Camera



- * The parameters and datasheets below can only be applied to 1209-S2 series.
- · Max. 30 fps@1080p.
- · 24/7 color imaging.
- 20 m illumination distance.
- · Super Adapt.
- · Built-in MIC (-A).
- · 3.6 mm fixed lens (2.8 mm optional).
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.

System Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

Full-color

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 color monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Smart Warm Light Illumination

In dark environments, the camera produces vivid images in rich color through its warm LED lights. With its smart light mode setting, it automatically adjusts its exposure time and light sensitivity to avoid the overexposure of objects in the center of the image.











Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models

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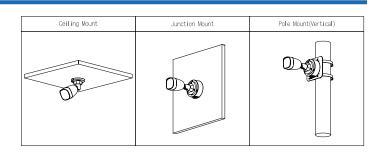
Lite Series Dn-nac-nrw1209C(-A)-LED								
Technical Specification							Privacy Masking	Off/On (8 areas, rectangle)
Camera							Certification	
Pixel		2 MP				Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035	
Image Sensor		2 MP CMOS					Certifications	FCC: 47 CFR FCC Part 15, Subpart B
Max. Resolution		1920 (H) × 1080 (V)					Port	
Scanning System		Progressive					Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Electronic Shutter Speed		PAL: 1/25 s-1/100000 s NTSC: 1/30 s-1/100000 s					Audio Input	One channel built-in MIC (-A)
Min. Illumination		0.005 lux@F1.6 (Color) 0 lux (Illuminator on)					Power	
S/N Ratio		>65 dB					Power Supply	12 VDC ± 30%
Illumination Distance		20 m (65.62 ft)					Power Consumption	Max 3.3 W (12 V DC, LED on)
Illuminator On/Off Control		Auto/Manual					Environment	
Illuminator Number		1 (Warm light)					Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°					Operating Humidity	<95% (RH), non-condensing
							Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Lens							Protection	IP67
Lens Type		Fixed-focal					Structure	
Lens Mount		M12					Casing Material	Metal front cover + plastic
Focal Length		2.8 mm; 3.6 mm					Product Dimensions	161.3 mm × 69.7 mm × 70.0 mm (6.35" × 2.75" × 2.75")
Max. Aperture		F1.6					Packaging Dimensions	182 mm × 90 mm × 77 mm (7.2" × 3.5" × 3.0")
Field of View		2.8 mm: H: 108°; V: 58°; D: 127° 3.6 mm: H: 84°; V: 43°; D: 102°					Net Weight	0.20 kg (0.44 lb)
Iris Control		Fixed					Gross Weight	0.30 kg (0.66 lb)
Close Focus Distance		2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3 m (4.27 ft)					Installation	Wall mount; ceiling mount; vertical pole mount
DORI Distance	Lens	Detect	Observe	Recognize	Identify			
	2.8 mm	42.2 m (138.45 ft)	16.9 m (55.45 ft)	8.4 m (27.56 ft)	4.2 m (13.78 ft)			
	3.6 mm	59.0 m (193.57 ft)	23.6 m (77.43 ft)	11.8 m (38.71 ft)	5.9 m (19.36 ft)			

Video

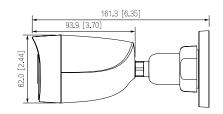
Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps CVBS: PAL: 960H; NTSC: 960H		
Resolution	1080P (1920×1080); 960H (960×576/960×480)		
Day/Night	Color		
BLC	BLC; HLC; DWDR		
WDR	DWDR		
White Balance	Auto; Area white balance		
Gain Control	Auto		
Noise Reduction	3D NR		
Illumination Mode	Smart Light		
Mirror	Yes		

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Ordering Information							
Туре	Part Number	Description					
	DH-HAC-HFW1209CP- A-LED	2MP Full-color HDCVI Bullet Camera, PAL					
20.40. Сама ам	DH-HAC-HFW1209CN- A-LED	2MP Full-color HDCVI Bullet Camera, NTSC					
2MP Camera	DH-HAC-HFW1209CP- LED	2MP Full-color HDCVI Bullet Camera, PAL					
	DH-HAC-HFW1209CN- LED	2MP Full-color HDCVI Bullet Camera, NTSC					
	PFA134	Junction Box					
	PFA130-E	Water-proof Junction Box					
Accessories	PFA152-E	Pole Mount Bracket					
(Optional)	PFM800-E	1 Channel Passive HDCVI Balun					
	PFM321D	12V 1A Power Adapter					
	PFM904	Integrated Mount Tester					



Dimensions (mm[inch])





Accessories

Optional:



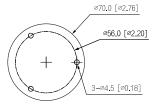
PFA134 Junction Box



PFA130-E Water-proof Junction Box



PFA152-E Pole Mount Bracket





PFM800-E 1 Channel Passive HDCVI Balun



PFM321D 12V 1A Power Adapter



PFM904 Integrated Mount Tester